

WHAT IS CLAIMED IS:

1. A paper product comprising:

a first layer and a second layer formed from at least one paper web, said first and said second layers having an outer surface that defines ridges and valleys, said outer surface of said first layer being positioned adjacent to said outer surface of said second layer;

bridging regions formed into at least one of said outer surfaces of said layers, said bridging regions being positioned at an angle of between about 0° to about 180° relative to said ridges defined by said outer surface, said bridging regions also having a length sufficient to extend between the peaks of at least two of said ridges defined by said outer surface, said bridging regions at least partially obstructing said ridges and valleys of said first layer from mating with said ridges and valleys of said second layer to inhibit nesting.

2. The paper product of claim 1, wherein said bridging regions are arranged in spaced apart rows.

3. The paper product of claim 2, wherein said spaced apart rows are arranged at an angle of about 45° to said ridges defined by said outer surface.

4. The paper product of claim 1, wherein the length of said bridging regions is substantially greater than the width of said bridging regions.

5. The paper product of claim 1, wherein the length of said bridging regions is between about 0.125 inches to about 3 inches.

6. The paper product of claim 1, wherein the length of said bridging regions is between about 0.375 inches to about 1.5 inches.

7. The paper product of claim 1, wherein said bridging regions have a depth of from about 0.02 inches to about 0.12 inches.

8. The paper product of claim 1, wherein said bridging regions

have a depth of from about 0.045 inches to about 0.06 inches.

9. The paper product of claim 1, wherein said bridging regions are positioned at an angle of about 90° relative to said ridges defined by said outer surface.

5 10. The paper product of claim 1, wherein the layers of the paper product form a wound roll.

11. The paper product of claim 1, wherein the layers of the paper product are individually stacked.

10 12. The paper product of claim 1, wherein the paper web of each of said layers is an uncreped through-air dried paper web.

13. The paper product of claim 1, wherein the basis weight of the paper product is less than 140 grams per square meter.

15 14. The paper product of claim 1, wherein the basis weight of the paper product is between about 10 grams per square meter to about 70 grams per square meter.

15 15. The paper product of claim 1, wherein said bridging regions are formed into said outer surfaces of both said first and said second layers.

20 16. The paper product of claim 1, wherein said ridges and valleys are in continuous rows.

17. The paper product of claim 1, wherein said bridging regions have a length-to-depth ratio of from about 1:1 to about 150:1.

18. The paper product of claim 1, wherein said bridging regions have a length-to-depth ratio of from about 5:1 to about 40:1.

25 19. The paper product of claim 1, wherein said bridging regions form a two-dimensional sinusoidal pattern.

20. A method comprising:

depositing a furnish containing cellulosic fibers onto a foraminous surface;

forming a paper web from said furnish, said paper web having a surface that defines ridges and valleys;

embossing said paper web to form bridging regions into at least one surface of said paper web, said bridging regions being positioned at an angle of between about 0° to about 180° relative to said ridges defined by said surface of said paper web and having a length sufficient to extend between the peaks of at least two of said ridges defined by said surface of said paper web; and

incorporating said paper web into at least one layer of a multi-layered paper product such that said surface of said paper web is disposed on the outer surface of said at least one layer, said outer surface of said at least one layer being placed adjacent to the outer surface of another layer of the paper product, said outer surface of said another layer also defining ridges and valleys, said bridging regions at least partially obstructing said ridges and valleys of said one layer from mating with said ridges and valleys of another layer to inhibit nesting.

21. The method of claim 20, further comprising drying said paper web prior to the formation of said bridging regions.

22. The method of claim 21, wherein said drying is accomplished using a through-air dryer.

23. The method of claim 20, wherein said embossing is accomplished with a roll having embossing elements in a certain pattern, said bridging regions having a pattern that corresponds to the pattern of said embossing elements.

24. The method of claim 23, wherein said embossing roll applies a pressure of from about 25 pounds per linear inch to about 300 pounds per linear inch to said paper web.

25. The method of claim 20, wherein said bridging regions are arranged in spaced apart rows.

26. The method of claim 25, wherein said spaced apart rows are arranged at an angle of about 45° to said ridges of at least one of said layers.

5 27. The method of claim 20, wherein the length of said bridging regions is substantially greater than the width of said bridging regions.

28. The method of claim 20, wherein the length of said bridging regions is between about 0.125 inches to about 3 inches.

29. The method of claim 20, wherein the length of said bridging regions is between about 0.375 inches to about 1.5 inches.

10 30. The method of claim 20, wherein said bridging regions have a length-to-depth ratio of from about 1:1 to about 150:1.

31. The method of claim 20, wherein said bridging regions have a length-to-depth ratio of from about 5:1 to about 40:1.

15 32. The method of claim 20, wherein said bridging regions are positioned at an angle of about 90° relative to said ridges defined by said surface of said paper web.

33. The method of claim 20, wherein the layers of the paper product form a wound roll.

20 34. The method of claim 20, wherein the layers of the paper product are individually stacked.

35. A method comprising:

depositing a furnish containing cellulosic fibers onto a foraminous surface;

25 forming a paper web from said furnish, said paper web having a surface that defines ridges and valleys;

drying said paper web;

embossing said dried paper web with a roll having embossing elements in a certain pattern to form bridging regions into said surface of said paper web, said bridging regions having a pattern that corresponds to

said pattern of said embossing elements, said bridging regions being positioned at an angle of about 90° relative to said ridges defined by said surface and having a length sufficient to extend between the peaks of at least two of said ridges defined by said surface; and

5 winding said paper web into to form a multi-layered roll such that said paper web is disposed on the outer surface of at least one of the layers of the roll, said outer surface of said at least one layer being placed adjacent to the outer surface of another layer of the roll, said outer surface of said another layer also defining ridges and valleys, said bridging
10 regions at least partially obstructing said ridges and valleys of said one layer from mating with said ridges and valleys of another layer to inhibit nesting.

36. The method of claim 35, wherein the length of said bridging regions is substantially greater than the width of said bridge regions.

15 37. The method of claim 35, wherein the drying is accomplished by a through-air dryer.